
North America's Leader in Hazardous Material Information Management
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MSDS PRODUCT INFORMATION

Date: 10/07/2005
To: MSDS Requester
From: 3E Company
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☒ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: BASF Corporation
Product Name: Curalan Fungicide (DISCONTINUED)

MATERIAL SAFETY DATA SHEET

BASF Corporation

Agricultural Products Group
P.O.Box 13528,
Research Triangle Park, NC 27709
(919) 547-2000

Product No.: 549691

Curalan® fungicide

Date Prepared: 1/30/86 Date Revised: 5/14/97

SECTION I

Trade Name: Curalan® fungicide

Chemical Name: 3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione

Synonyms: Vinclozolin (active ingredient);
BAS 352 98 F (formulation)

Formula: C(12)H(9)NO(3)Cl(2)
(active ingredient)

Chemical Family: Dichloroaniline

Mol Wt: 286.1 (active ingredient)

SECTION II - INGREDIENTS

COMPONENT	CAS NO.	%	PEL/TLV - SOURCE
Vinclozolin	50471-44-8	41.3	1.0 mg/m(3) BASF recommended
Propylene Glycol	57-55-6	5.8	Not established
Inerts	N/A	58.7	Not established

SARA Title III Section 313: Listed

SECTION III - PHYSICAL DATA

BOILING/MELTING POINT@760MM Hg: 212 °F approx. pH: 8.9 approx.

VAPOR PRESSURE mmHg @ 20°C: N/D

SPECIFIC GRAVITY OR BULK DENSITY: 10.08 lb/gal

SOLUBILITY IN WATER: Water dispersible

APPEARANCE: Liquid

ODOR: Aromatic

INTENSITY: Slight

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): 200 °F

AUTOIGNITION TEMP: N/D

FLAMMABILITY LIMITS IN AIR (% BY VOL):

LOWER: N/A

UPPER: N/A

NFPA 704 HAZARD CODE

HEALTH 1

FLAMMABLE: 1

REACTIVITY: 0

OTHER:

NFPA 30 STORAGE CLASSIFICATION: III B

EXTINGUISHING
MEDIUM

Use water fog, CO(2), or dry chemical extinguishing media.

SPECIAL
FIREFIGHTING
PROCEDURES

Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

UNUSUAL FIRE
EXPLOSION
HAZARDS

None

EMERGENCY TELEPHONE NUMBERS

BASF 1(800) 832-HELP

CHEMTREC 1(800) 424-9300

These numbers available days, nights, and holidays.

SECTION V - HEALTH DATA**TOXICOLOGICAL TEST DATA:**

For the active ingredient:

Rat Oral LD50 > 5000 mg/kg

Rat Dermal LD50 > 4000 mg/kg

Rat Acute Inhalation (1 hr) > 21 mg/L

Sensitizing Dermal Sensitizer -

OSHA, NTP, or IARC

Lifetime feeding studies of vinclosing (a.i.) to rodents have shown an increased incidence of tumors at excessive dose levels.

Carcinogen:

EFFECTS OF OVEREXPOSURE:

See Product Label and Directions For Use for additional precautionary statement

See Product Label and Directions For Use for additional precautionary statements.

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful if swallowed, inhaled or absorbed through skin. Causes eye irritation. Do not get on skin, in eyes or on clothing.

Avoid breathing vapor or spray mist.

Prolonged exposure or frequently repeated skin contact may cause allergic reactions in some individuals.

For the active ingredient, vinclozolin: Tests indicate embryotoxicity, reproductive toxicity and cataract formation in animal studies. Also, endocrine changes have been reported in animal developmental, subchronic and chronic toxicity studies.

Based on animal data, chronic overexposure to propylene glycol may result in kidney and liver damage.

Existing medical conditions aggravated by exposure to this material:

No information found for this mixture.

FIRST AID PROCEDURES**Statement of practical treatment**

If on skin: Wash with plenty of soap and water. Get medical attention.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Avoid freezing

CHEMICAL INCOMPATIBILITY: Not determined, refer to label for recommendations.

HAZARDOUS DECOMPOSITION PRODUCTS: NO_x and HCl possible during combustion.

HAZARDOUS POLYMERIZATION: Does not occur

CONDITIONS TO AVOID: N/A

CORROSIVE TO METAL: No

OXIDIZER: No

SECTION VII - PERSONAL PROTECTION

PESTICIDE APPLICATORS & WORKERS must refer to the **Product Label and Directions For Use** attached to the product for **Agricultural Use Requirements** in accordance with the **EPA Worker Protection Standard 40 CFR part 170.**

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

Respiratory Protection:

Supplied air respirators should be worn if large quantities of mist are generated or prolonged exposure possible.

Eye Protection:

Chemical goggles when respirator does not provide eye protection.

Protective Clothing:

Gloves, long-sleeved shirt, and slacks.

Ventilation:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

SECTION VIII - ENVIRONMENTAL DATA

ENVIRONMENTAL TOXICITY DATA

Vinclozolin, the active ingredient in this product, is toxic to fish. Care should be taken not to contaminate water.

SARA 311/312 REPORTING

FIRE: No PRESSURE: No REACTIVITY: No ACUTE: No CHRONIC: Yes TPQ(lbs): 10,000

SPILL AND LEAK PROCEDURE

Spilled material should be recovered for labeled use; otherwise, spills should be contained, solidified, and placed in suitable containers for disposal. This material is not regulated under RCRA or CERCLA ("Superfund").

HAZARDOUS SUBSTANCE SUPERFUND: No

RQ(lbs): N/A

WASTE DISPOSAL METHOD:

Apply according to label if possible; otherwise, incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

HAZARDOUS WASTE 40CFR26 No

HAZARDOUS WASTE NUMBER: N/A

CONTAINER DISPOSAL:

Dispose of in licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

SECTION IX - SHIPPING DATA - PACKAGE AND BULK

D.O.T. PROPER SHIPPING NAME (49CFR172.101-10)

None

HAZARDOUS SUBSTANCE (49CFR CERCLA LIST):

No

RQ(lbs): N/A

D.O.T. LABELS CLASSIFICATION (49CFR172.101-102):

PRIMARY

None

SECONDARY

None

D.O.T. LABELS REQUIRED (49CFR172.101-102):

D.O.T. PLACARDS REQUIRED (CFR172.504):

None

None

POISON CONSTITUENT (49CFR172.203(K)):

N/A

BILL OF LADING DESCRIPTION

Fungicide, Agricultural, NOIBN

CC NO.: 432

UN/NA CODE: N/A

SECTION X - PRODUCT LABEL**Curalan® fungicide**

For commercial, industrial, golf course, greenhouse, and nursery use only

A liquid flowable fungicide containing:

Active ingredient:	41.3%
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Vinclozolin: 3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione*

Inert ingredients	58.7%
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TOTAL	100%
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* Equivalent to 4.17 pounds of vinclozolin per gallon.

EPA Reg. No. 7969-62

KEEP OUT OF REACH OF CHILDREN

CAUTION

Complete Label and Directions For Use are attached to the product.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

BASF Corporation

Agricultural Products Group
P.O.Box 13528,
Research Triangle Park, NC 27709
(919) 547-2000

DISCLAIMER

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